

Friday evening, and we arrived with nerves somewhat frayed. The evening, or what was left of it, was still and warm, and I got the trap set up in the garden and *then* said, "Hello". In the morning it was full of moths, and many were settled on the lawn and on nearby bushes. Commonest among 30 species were *Agrochola lychnidis* (D. & S.) (217), *Omphaloscelis lunosa* (Haw.) (113), *Eumichtis lichenea* (Hübner.) (56) and *Lithophane leautieri* (Boisd.) (14). The next night, which was humid following a heavy thunderstorm, produced even more moths. I counted 268 *lunosa* and 240 *lichenea*, and there were 19 *leautieri*, and there had been a migration, as was evidenced by the presence of *Uresiphita limbalis* (D. & S.), *Cyclophora puppillaria* (Hübner.), *Orthonama obstipata* (Fab.) and a few *gamma* and *saucia*. After this, I felt the time was ripe to turn to birdwatching again, and I saw no more moths apart from a few *Ptilophora plumigera* (D. & S.) on November 1st, in the Chilterns.

Some Records of Craneflies for 1973

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The lists which follow are complete observation and capture records for the localities given. The selection of these lists to the exclusion of those from all the other sites visited in 1973 is based on the interest of some of the species present and the potential which is felt these sites hold for further recording. For example, one trip to a quarry near Ingleton yielded *Dicranota guerini* Zetterstedt, an insect with a restricted distribution in England and local in habit. The sand-dune records are very scanty but indicate that the habitats present in the dunes support rare species even in the South Lancashire system which is greatly exposed to public pressure and where developments encroach with a frightening regularity.

North Wales contains such a vast area for study that one has to be selective not only in presenting lists but also in sites visited for there are not enough weekends in the season to go to all the attractive-looking places. Therefore, a montane area near Beddgelert and an isolated wooded valley south of Llan-gollen have been selected. The former did not contain many species at very high altitudes but the weather at the time of the visits was not very good. *Tipula subnodicornis* Zett., was abundant over the marshes and tarns. *Molophilus ater* Meigen was an interesting capture being flightless and restricted to early in the year. The area around the village of Pandy has become a favourite collecting locality. There is a disused granite quarry and native woodland with the river Ceiriog and streams and seepages draining into it. It holds many niches for

aquatic and semi-aquatic insects as well as the usual terrestrial species.

The records presented include data from A. E. Stubbs and A. M. Hutson to whom I am grateful for the lists they made.

South Lancashire Dune System

Infrequent visits to parts of the open dunes show that a number of interesting species occur here. The two sites visited in 1973 are Birkdale (SD (34) 3013) and Hightown (SD (34) 2902), but the latter is a sad remnant of what was once an area of the same quality as that north of Ainsdale NNR. Obviously, the area will repay further visits. B=Birkdale. H=Hightown.

Nephrotoma appendiculata Pierre, ♂, B, 30.vi. *N. cornicina* L., ♀, B, 5.viii. *N. quadristriata* Schummel, 7♂♂, 1♀, B, 5.viii; first recorded in 1923 by H. Britten but no records in interim period (Kidd & Brindle, 1959). *Tipula solstitialis* Westhoff, 1♀, 1♂, B, 5.viii. *T. lateralis* Meigen, abundant in Dunes, v, vi, viii. *T. oleracea* L., common, v, viii, B. *T. varipennis* Mg., 2♂♂, B, 16.v. *Limonia chorea* Mg., ♂, H, 2.viii. *L. morio* F., ♂, 30.vi ♂, 5.viii, B. *L. modesta* Mg., 2♂♂, H, 2.x. *L. ventralis* Schummel, ♂, B, 5.viii. *Helius pallirostris* Edwards, ♂, B, 30.vi; this species is noted here for the first time in Lancashire. there are also specimens in the Manchester Museum collected by A. Brindle in 1965. *Pedicia immaculata* Mg., 3♂♂, B, 16.vi. *Limnophila ferruginea* Mg., ♂, H, 2.x. *Gonomua tenella* Tonnoir, common v, viii. *B. Erioptera pilipes* F., ♂, B, 16.v. *E. trivialis* Mg., B, viii; H, x. *E. vicina* Tonnoir, common, B, 5.viii. *Ormosia hederæ* Curtis, ♂, B, 16.v; 3♂♂, H, 2.x. *Molophilus griseus* Mg., ♂, B, 5.viii, coll. A. M. Hutson. *M. obscurus* Mg., common, B, 5.viii. *M. pleuralis* de Meijere, ♂, B, 5.viii, coll. A. M. Hutson. *Trichocera hiemalis* Degeer, 2♂♂, H, 2.x. *T. regelationis* L., 2♂♂, H, 2.x.

White Sear Quarries, near Ingleton, Yorks (SD 718753). 7.x.1973.

Tipula czezi de Jon^σ, abundant. *T. paaana* Mg., abundant. *T. staegeri* Nielsen, ♂, ♀. *T. marmorata* Mg., 2♂♂. *Dicranomyia autumnalis* Staeger, ♀. *D. didyma* Mg., abundant. *Trycyphona immaculata* Mg., ♂. *Dicranota guerini* Zetterstedt, 3♂♂, 3♀♀. *D. bimaculata* Schummel, 2♂♂, 3♀♀. *Erioptera trivialis* Mg., ♀, 6♂♂. *E. diuturna* Walker, 5♂♂, 2♀♀. *F. fuscipennis* Mg., ♂.

Llyn Dinas, near Beddgelert, Caerns. (SH 6749). 28.iv.1973.

Tipula vittata Mg., 2♂♂. *T. subnodicornis* Zett., abundant. *T. lateralis* Mg., ♂. *Dicranomyia chorea* Mg., common. *Tricyphona immaculata* Mg., ♂, ♀. *Erioptera trivialis* Mg., ♂. *Molophilus ater* Mg., ♂. *Sylvicola fenestralis* Scopoli, ♂.

Cnicht, near Llyn Dinas, 1800 ft. (SH 655480), 1.ix.1973.
Ormosia pseudosimilis Lundstroem, ♂.

Pandy, near Glyn Ceiriog, Debighs. (SJ 1935), 1973

(except where stated).

Nephrotoma appendiculata Pierre, 2.vi, common. *N. flavescens* L., 1.vii, ♂, G. Y. McInnes. *N. quadrifaria* Mg., 2.vi. ♂. *Dolichozepe albipes* Stroem, 2.vi, ♂. *Tipula fulvipennis* Degeer, 26.viii, ♂. *T. marmorata* Mg., 15.x.1972, A. E. Stubbs. *T. meigeni* Mannheims, 2.vi., ♂. *T. paludosa* Mg., 26.viii, common. *T. rufina* Mg., 11.vi.1974, ♂. *T. scripta* Mg., 26.viii, ♀. *T. signata* Staeg., 15.x.1972, A. E. Stubbs. *T. staegeri* Niels. 15.x.1972, A. E. Stubbs. *T. variicornis* Schumm. 11.v.1974, ♀. *T. varipennis* Mg., 2.vi, ♂. *T. vittata* Mg., 11.v.1974, ♂. *Cylindrotoma distinctissima* Mg., 26.viii, common. *Limonia chorea* Mg., common at all visits. *L. didyma* Mg., 15.x.1972. A. E. Stubbs. *L. duplicata* Doane, 2.vi, 26.viii, ♀, 2♂♂. *L. flavipes* F., 2.vi, common. *L. fusca* Mg., 24.vi, ♂. *L. macrostigma* Schumm., 2.vi, ♂. *L. mitis* f. *lutea* Mg., 2.vi, ♂. *L. modesta* Mg., 26.viii, ♂. *L. morio* F., 26.viii, ♂. *L. nubeculosa* L., common at all visits. *L. stigma* Mg., 26.viii, 2♀♀, *L. stigmatica* Mg., 26.viii, 2♂♂. *L. tripunctata* F., 2.vi, common. *Pedicia immaculata* Mg., 24.vi, common. *P. occulta* Mg., 2.vi, ♂. *P. rivosa* L., 24.vi, ♂. *P. straminea* Mg., 2.vi, 26.viii, ♀, ♂. *Dicranota subtilis* Loew, 15.x.1972, A. E. Stubbs. *Ula mollissima* Haliday, 20.iv. 1974, ♀, J. I. Harris. *Paradelphomyia ecalceratus* Edwards, 15.x.1972, A. E. Stubbs. *Limnophila apicata* Loew, 1.vii, ♂, J. I. Harris. *L. ferruinea* Mg., 26.viii, ♂. *L. maculata* Mg., 26.viii, ♂ (typical). *L. nemoralis* Mg., 26.viii, 2♂♂ (typical). *L. submarmorata* Verral, 2.vi. ♂ (typical). *Gnomyia simplex* Tonnoir, 2.vi. abundant locally. *Lipsothrix remota* Walker, 11.v.1974, ♂. *Erioptera fuscipennis* Mg., 24.vi, several. *E. lutea* Mg. f. *taenionata* Mg., common at most visits. *E. trivialis* Mg., 2.vi, ♂. *Cheilotrichia cinerascens* Mg., common. *Ormosia nodulosa* Macquart, 11.v.1974, ♂. *Molophilus pusillus* Edwards. 26.viii, ♂♂ common. *Silvicola punctatus* F., 11.v.1974, ♂, ♀. *S. fenestralis* Scopoli, 11.v.1974, ♀.

Observing Butterflies at Ayers Rock, Northern Territory, Australia, Nov. 13-15, 1973

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Ayers Rock is now a tourist MUST. It stands some 850 miles W.N.W. of Adelaide and some 200 miles S.W. of Alice Springs. It is really in the bush and has only been regularly visited in the last few years. Opal Air does a direct service from Adelaide and there are road and air trips from Alice Springs.

This remarkable limestone rock is 600 ft. high and some 5 miles round and it is claimed that it is the largest monolith in the world. The Aborigines know it as Uluru and to them it is a most holy place.

We flew up by Opal and back the same way stopping at the Opal Mining centre of Cooper Pedy en route, and just